1/3

Scheme I<sup>t</sup>

HO 
$$\frac{d}{d}$$
  $\frac{d}{d}$   $\frac$ 

- <sup>†</sup> a. Ac<sub>2</sub>O, reflux
  - b. C6H5CH2OH/CH2Cl2
  - c. homoserine lactone hydrobromide, EDC, HCl, CH<sub>2</sub>Cl<sub>2</sub>, pyridine
  - d. Pd/C, H<sub>2</sub>, EtOAc

FIG. 1.

e. NaH, 9, THF

f. p-TsOH, toluene, reflex

b. (1) BH3/THF, (2) NaOH, H2O2

a. K<sub>2</sub>CO<sub>3</sub>, BnBr, DMF

c. pyridinium dichromate, DMF

d. (COCI)2, toluene

g. EDCI, CH<sub>2</sub>Cl<sub>2</sub>, homoserine lactone hydrobromide, Hunig's base h. Pd/C (10%), H<sub>2</sub>

F16. 2.

+

Scheme 2<sup>t</sup>

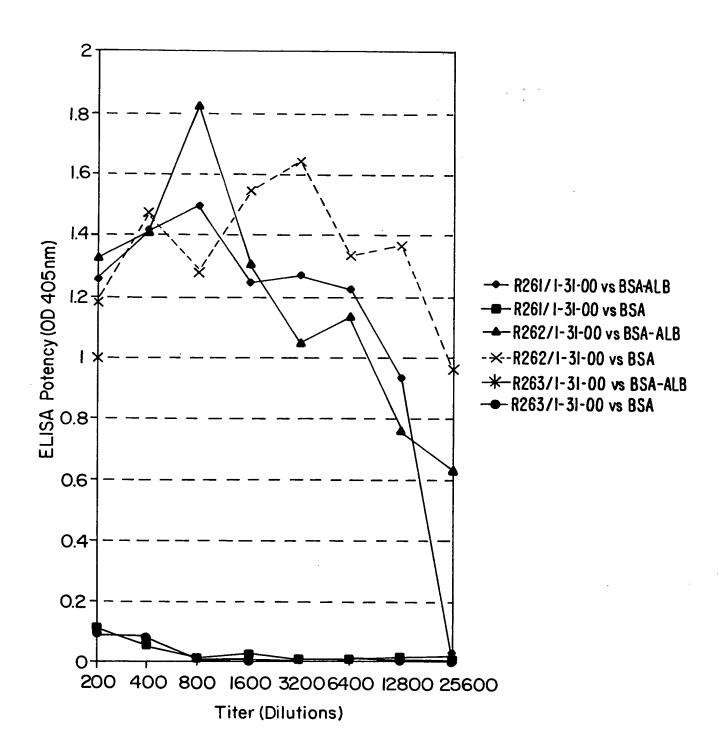


FIG. 3.